

**ExxonMobil****RECEIVED  
CENTRAL FAX CENTER****DEC 11 2007****FAX TRANSMISSION****Upstream Research Co.**

**TO:** Name: Examiner: Scott A. Hughes  
Company: United States Patent and Trademark Office  
Address: P. O. Box 1450  
City, State: Alexandria, VA 22313-1450

**FAX NO.:** 8.1.571.273.8300**DATE:** December 11, 2007**FROM:** J. Paul Plummer**Fax No.** (713) 431-4664**RE:** US 10/564,708**Our Ref:** 2003UR020**TOTAL NUMBER OF PAGES TRANSMITTED:**  
(INCLUDING THIS COVER PAGE)**15 pages**Transmitted by: **Monica J. Stansberry**

Please call (713) 431-4225 if you do not receive a clear or complete transmission.

**Message:**

Please confirm your receipt of this facsimile transmission.

1. Transmittal Form.....(1 page)
2. Response to Final Office Action.....(13 pages)

**Mailing Address:**P. O. Box 2189  
Houston, Texas, 77252**Shipping Address:**3319 Mercer Street  
Houston, Texas 77027**Physical Address:**3120 Buffalo Speedway  
Houston, Texas 77098**NOTICE OF CONFIDENTIALITY**

This communication contains information which is confidential and/or protected by the attorney-client or other applicable privilege. It is intended for receipt and use solely by the individual(s) named above. If you are not the intended recipient, or the employee or agent responsible for delivering this communication to the intended recipient, you are hereby notified that any use, disclosure, distribution or copying of this document is unauthorized and strictly prohibited. If you have received this communication in error, please notify ExxonMobil Upstream Research Company by telephone at (713) 431-4225, immediately, and return this document to us at the above address via the U.S. Postal service.

I:\urc\law\PATENTS\Geo - SSI\2003UR020\ICT\US Nat'l Resp.Final OA dtd 10.25.2007.FAX.doc

PTO/SB/21 (09-04)

Approved for use through 07/31/2008. OMB 0651-0031  
Patent and Trademark Office: US DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<b>TRANSMITTAL FORM</b>  <i>(to be used for all correspondence after initial filing)</i>	Application Number	10/564,708
	Filing Date	January 13, 2006
	First Named Inventor	Christine E. Krohn
	Group Art Unit	3663
	Examiner Name	Scott A. Hughes
Total number of pages in this submission		Attorney Docket Number 2003UR020

ENCLOSURES (check all that apply)		
<input type="checkbox"/> Fee Transmittal Form  <input type="checkbox"/> Fee Attached  <input checked="" type="checkbox"/> Amendment / Response  <input type="checkbox"/> After Final  <input type="checkbox"/> Affidavits/declaration(s)  <input type="checkbox"/> Extension of Time Request  <input type="checkbox"/> Express Abandonment Request  <input type="checkbox"/> Information Disclosure Statement  <input type="checkbox"/> Certified Copy of Priority Document(s)  <input type="checkbox"/> Response to Missing Parts/ Incomplete Application  <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s)  <input type="checkbox"/> Licensing-related Papers  <input type="checkbox"/> Petition  <input type="checkbox"/> Petition to convert a Provisional Application  <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence  <input type="checkbox"/> Terminal Disclaimer  <input type="checkbox"/> Request for Refund  <input type="checkbox"/> CD, Number of CD(s) ____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to Group  <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences  <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply)  <input type="checkbox"/> Proprietary Information  <input type="checkbox"/> Status Letter  <input type="checkbox"/> Return Receipt Postcard  <input type="checkbox"/> Other Enclosure(s) (please identify below): 1. 2. 3.
Remarks		

SIGNATURE OF APPLICANT, ATTORNEY OR AGENT	
Firm or Individual Name	J. Paul Plummer, Reg. No. 40,775 ExxonMobil Upstream Research Company
Signature	<i>J. Paul Plummer</i>
Date	01 December 2007

CERTIFICATE OF TRANSMISSION / MAILING	
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:	
Signature	<i>Monica Stansberry</i> Monica Stansberry
Date	11 December 2007

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Office, U.S. Patent and Trademark Office, U.S. Department of Commerce, P. O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

I:\urc\law\PATENTS\Geo - SSI\2003UR020\PT\US Nat\Resp.Final OA dtd 10.25.2007.Transmittal.doc

**RECEIVED**  
**CENTRAL FAX CENTER**  
**DEC 11 2007**

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No. : 10/564,708 Confirmation No.: 1580  
Applicant : Christine E. Krohn  
Filed : January 13, 2006  
TC/Art Unit : 3663  
Examiner : Scott A. Hughes  
Docket No. : 2003UR020

Mail Stop Amendment  
Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

*Via Facsimile: 8.1.571.273.8300*

**RESPONSE TO FINAL OFFICE ACTION**

Sir:

This communication is in response to the Office Action mailed October 25, 2007 concerning the above identified patent application.

**Remarks** begin on page 2 of this paper;

**Amendments to the Claims** begins on page 6 of this paper;

**Conclusion** begins on page 14 of this paper.